

Figure 6: Segments of the Passaic River where 2008 and 2007 multibeam bathymetry data were compared based on average depth in a 3 ft by 3 ft grid spacing.

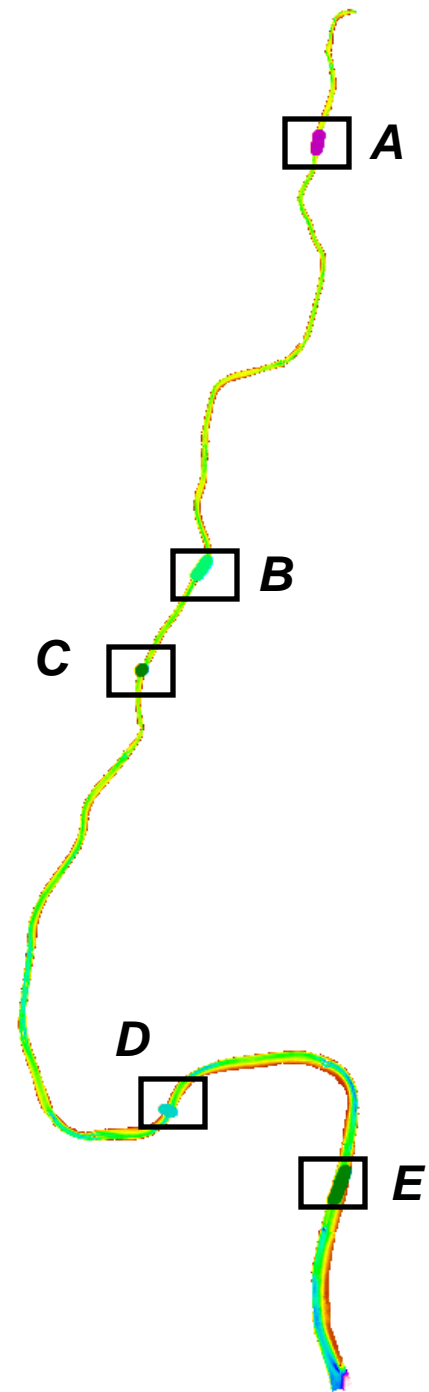
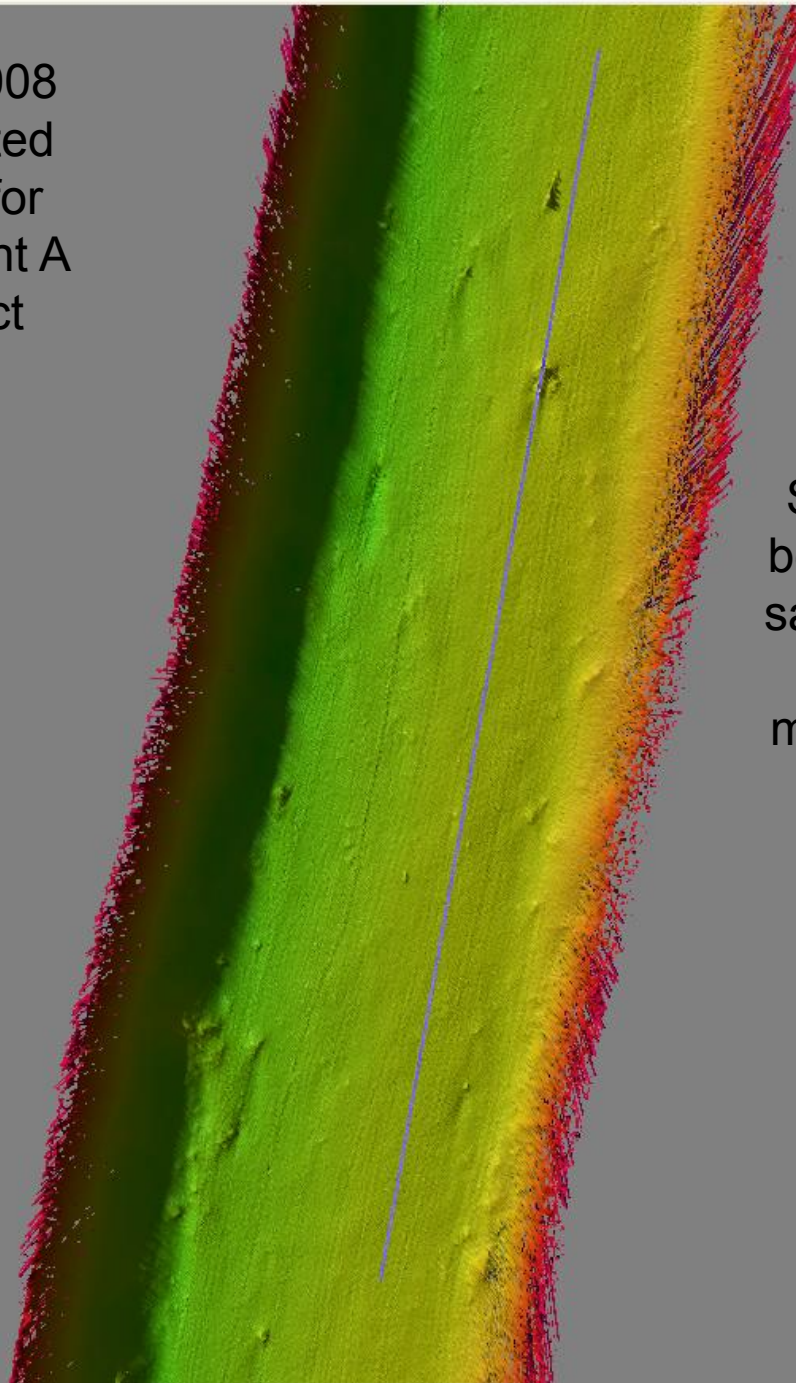


Figure 7a: 2007  
Sun-illuminated  
Bathymetry for  
River Segment A  
with transect

Sand waves  
with some  
mounds

A

Figure 7b: 2008  
Sun-illuminated  
bathymetry for  
River Segment A  
with transect



Smoother  
bed with no  
sand waves  
but with  
many more  
mounds

N

S

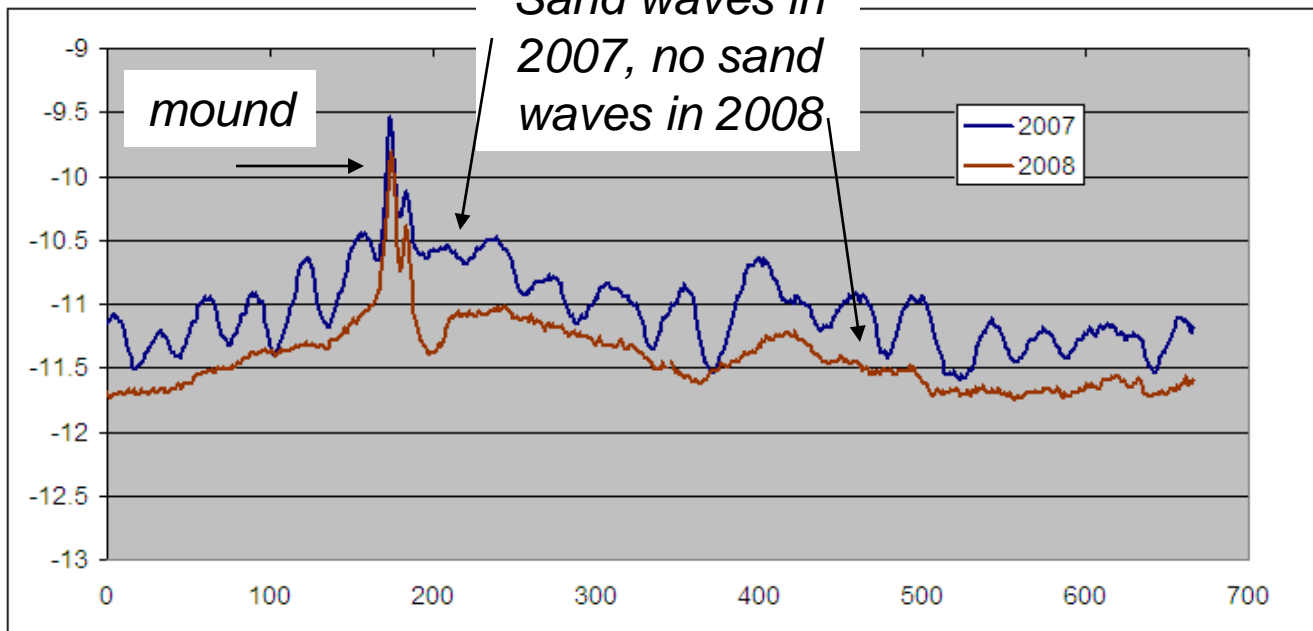
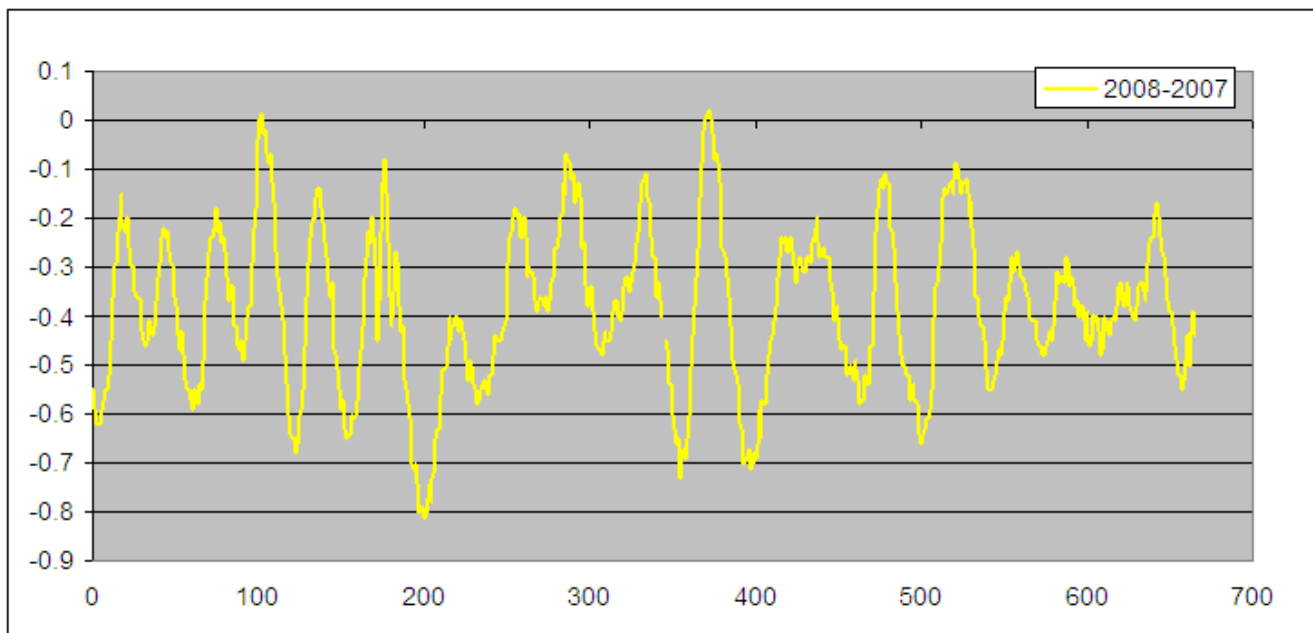


Figure 7c:

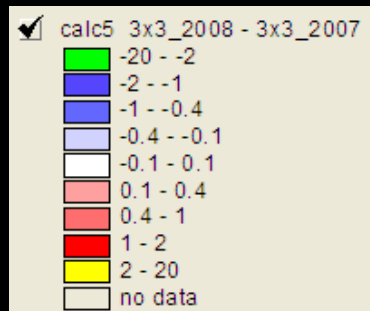
River Segment A  
Transect bathymetry  
in 2007 and 2008  
and change  
(2008-2007).

Depths and  
Distances in Feet



A

Figure 7d: Difference between  
2007 and 2008 multibeam  
bathymetry (feet; negative [blue]  
deeper in 2008, i.e., erosion)  
for River Segment A  
(with transect location)



*sand waves  
were removed  
before 2008  
survey*



Figure 8a: 2007  
Sun-illuminated  
bathymetry for  
River Segment  
B with transect

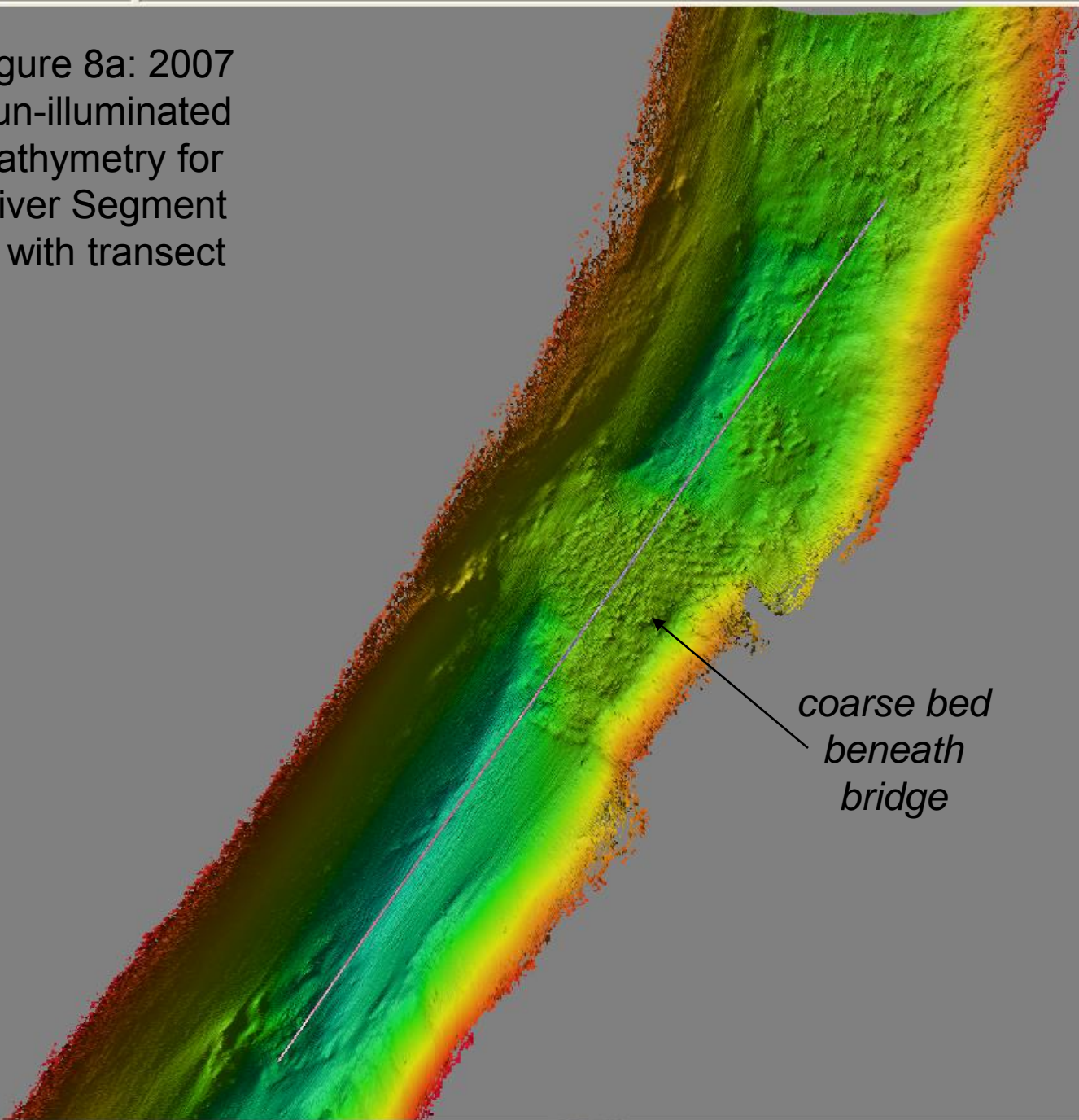
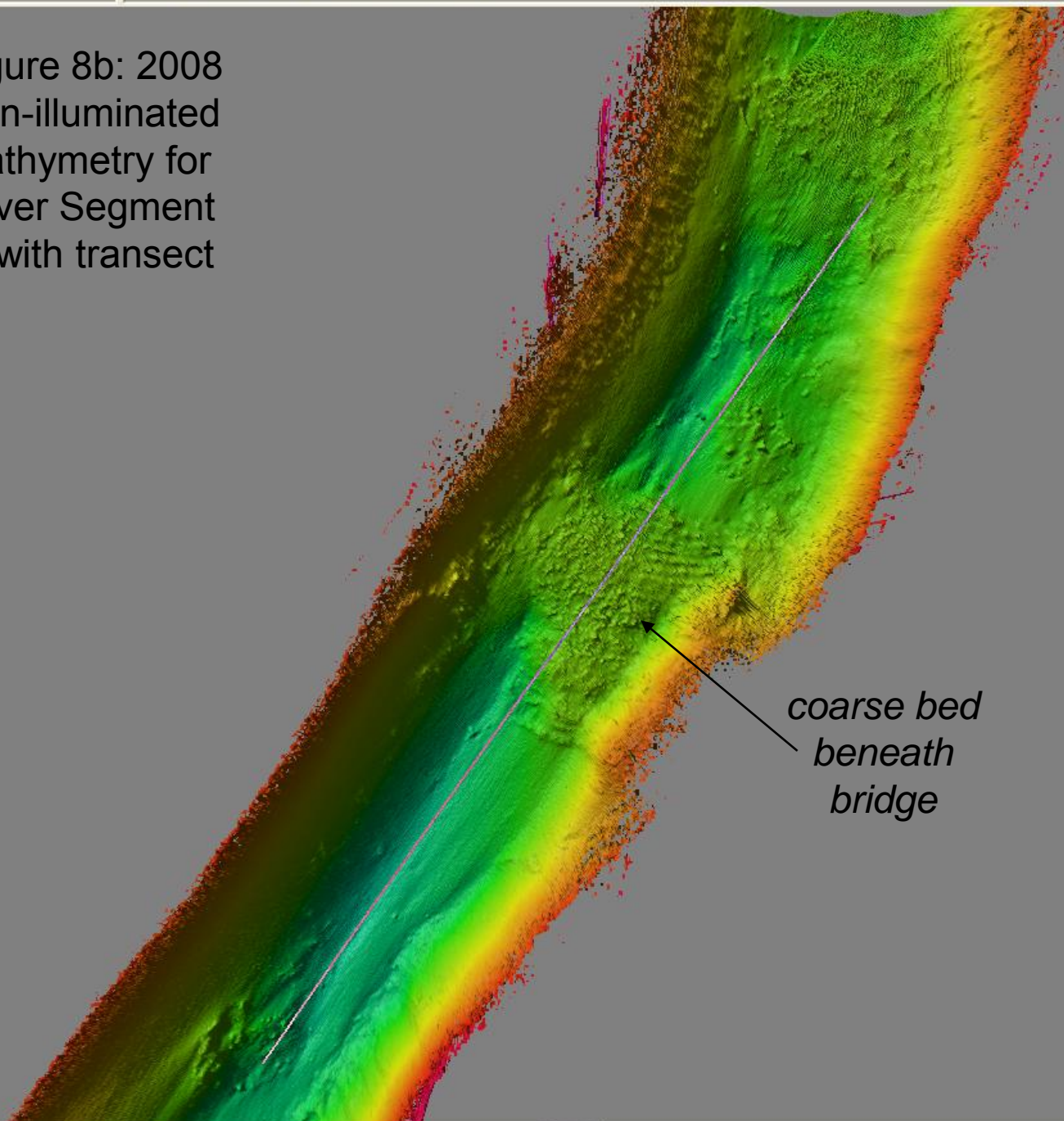


Figure 8b: 2008  
Sun-illuminated  
bathymetry for  
River Segment  
B with transect



*coarse bed  
beneath  
bridge*

N

S

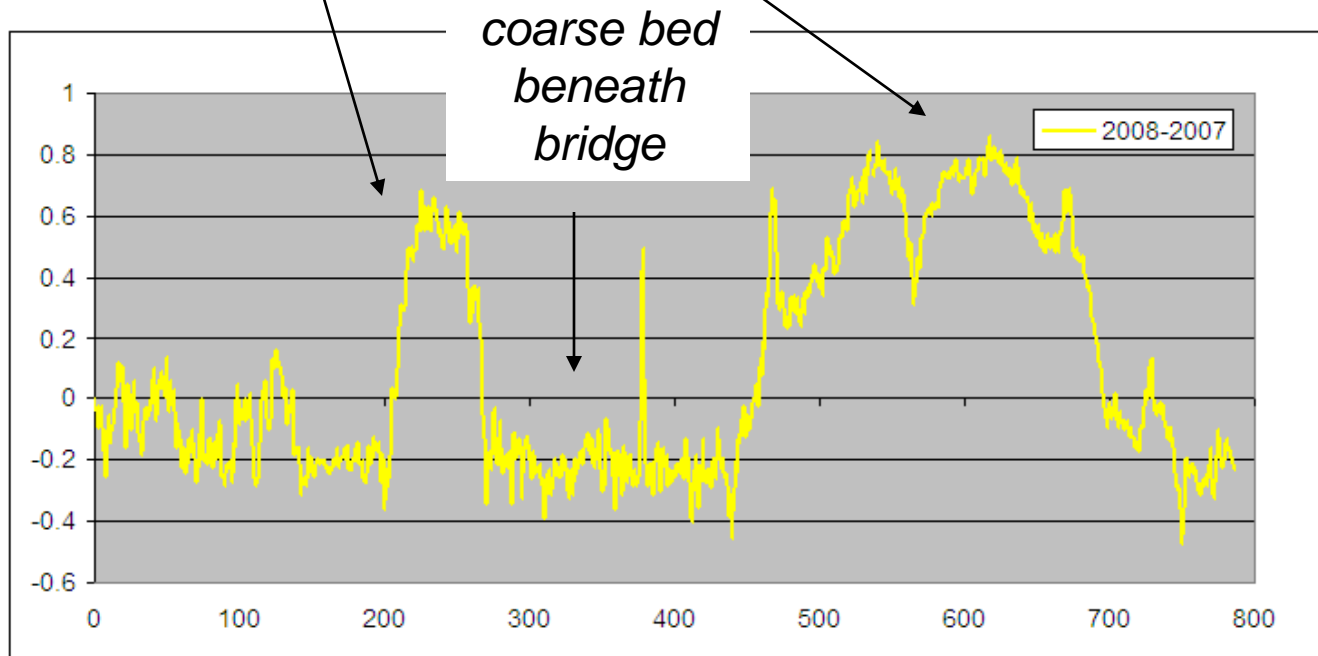
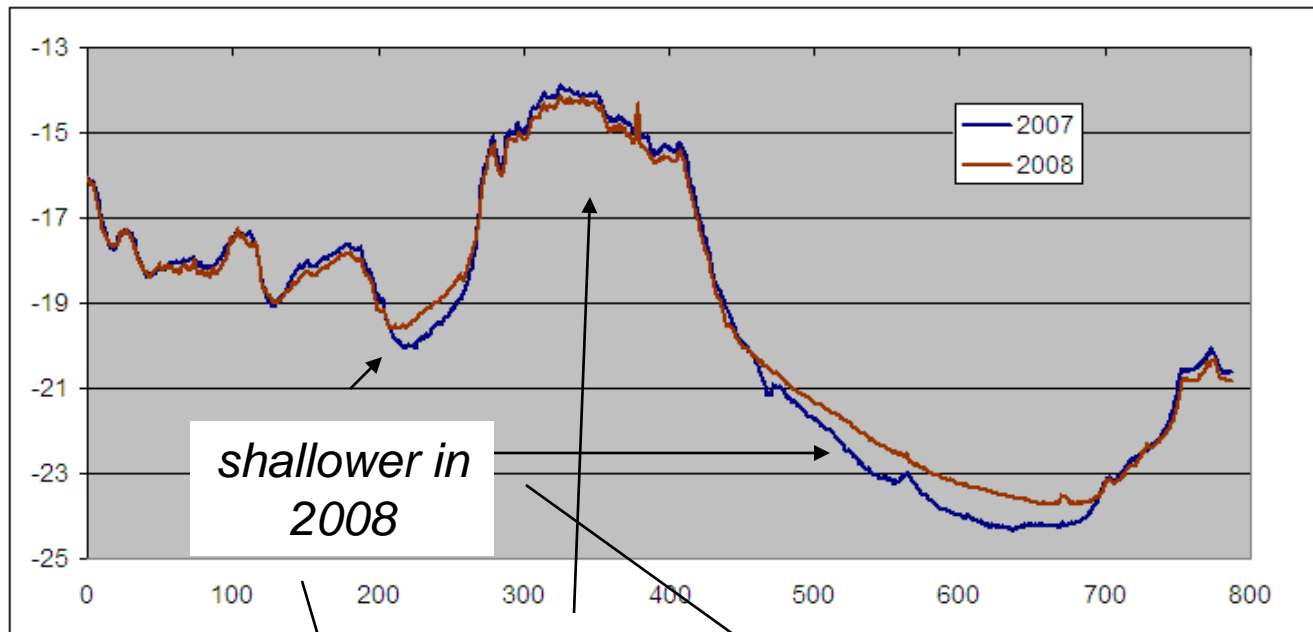


Figure 8c: River Segment B Transect bathymetry in 2007 and 2008 and change (2008-2007).

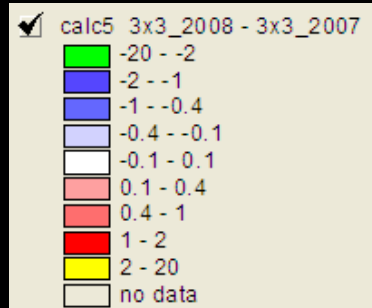
Depths and Distances in Feet

*Coarse bed beneath bridge is about 0.2 feet deeper in 2008 than in 2007. It is likely that there was no erosion beneath bridge.*

B



Figure 8d: Difference  
between 2007 and 2008  
multibeam bathymetry  
(feet; negative [blue] deeper  
in 2008, i.e., erosion)  
for River Section B  
(with transect location)



*depressions on  
either side of  
bridge  
shallower in  
2008*

Figure 9a: 2007  
Sun-illuminated  
bathymetry for  
River Segment  
C with transect

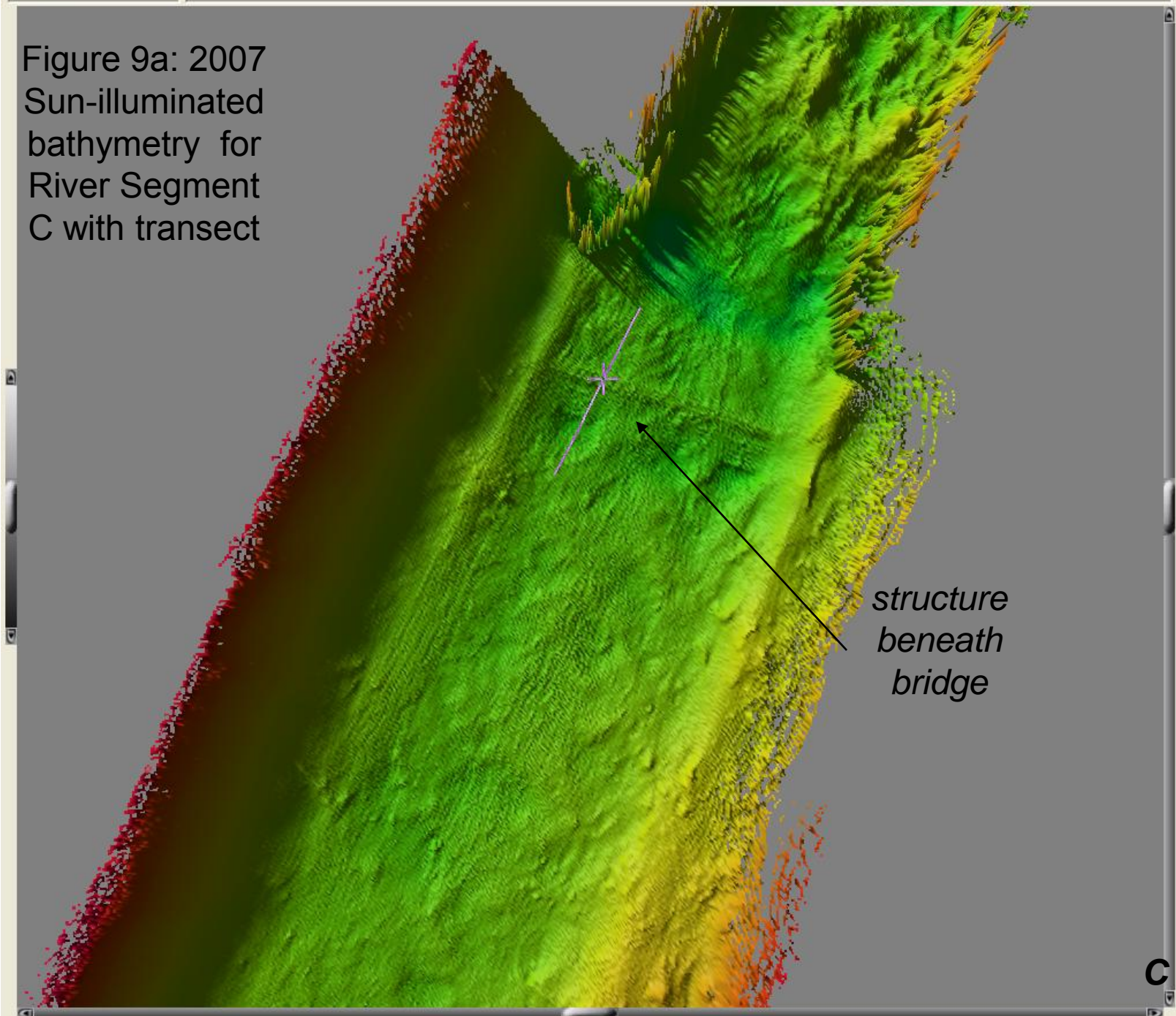
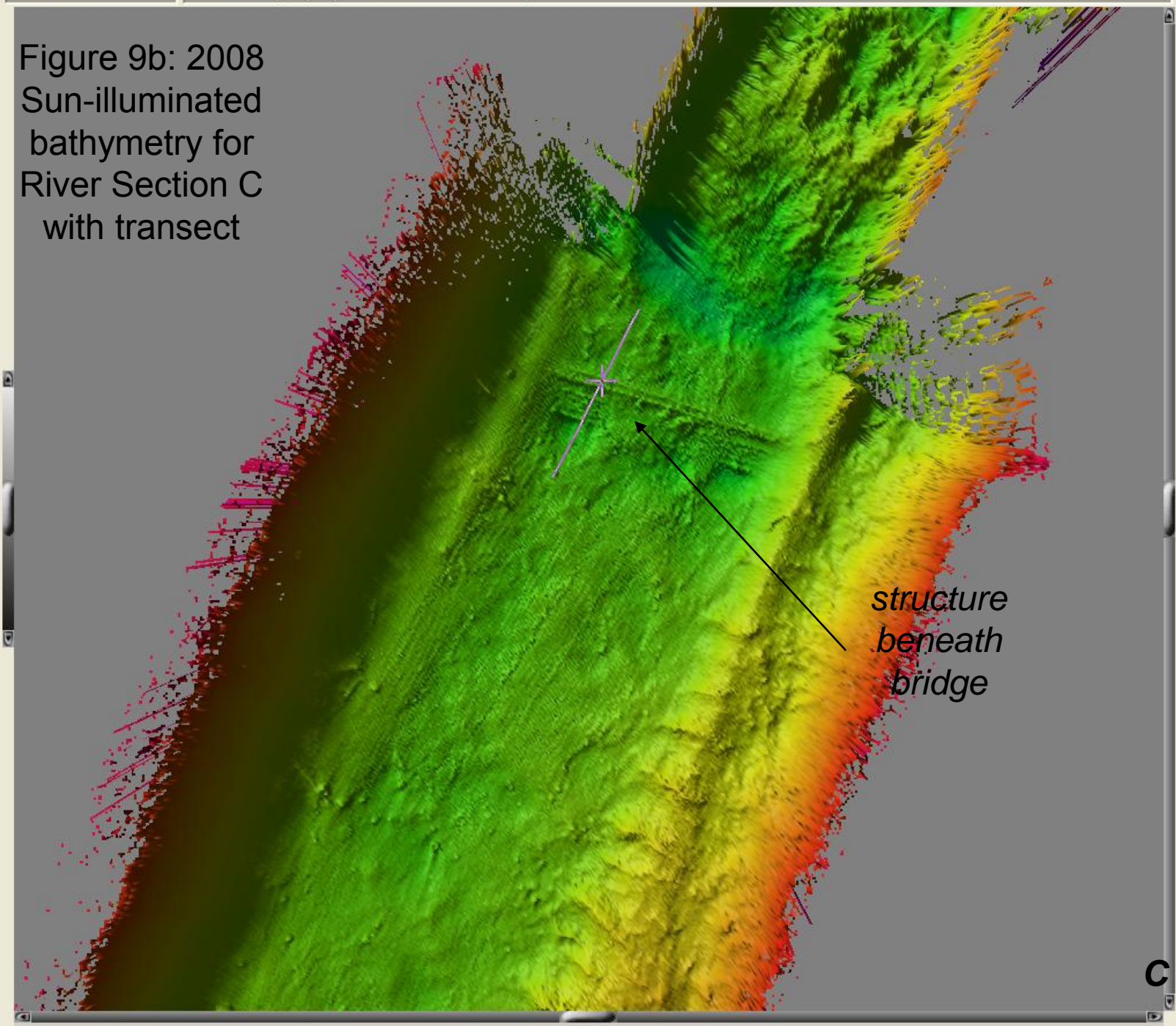


Figure 9b: 2008  
Sun-illuminated  
bathymetry for  
River Section C  
with transect





N

S

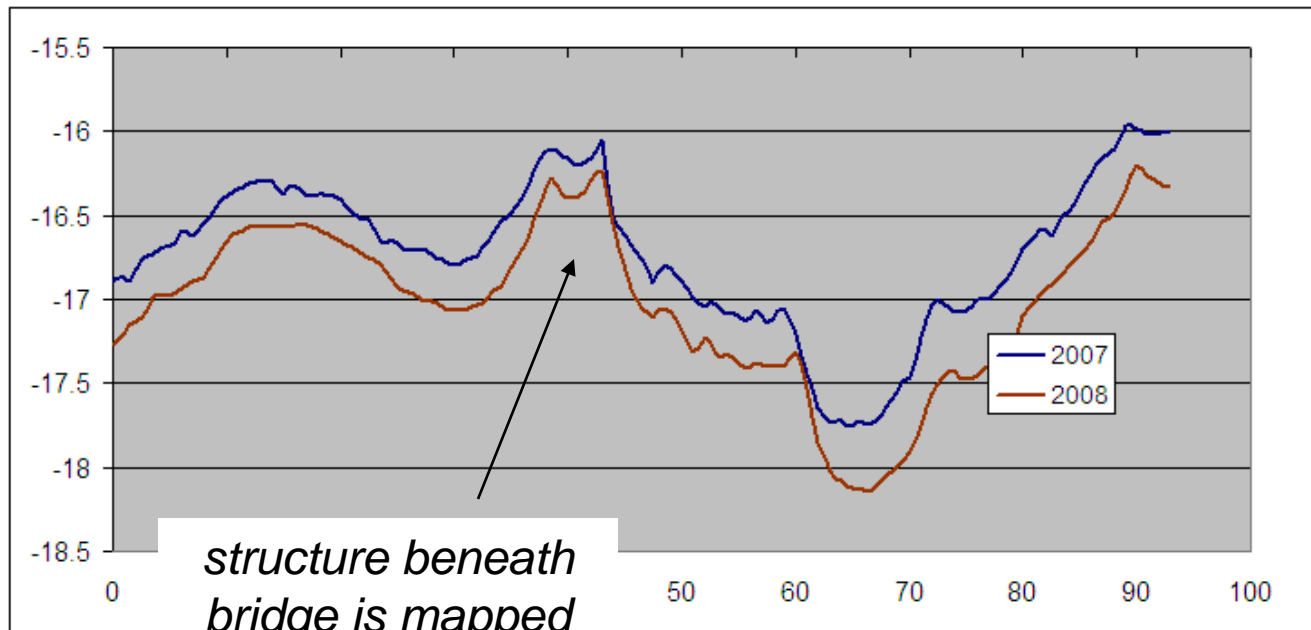
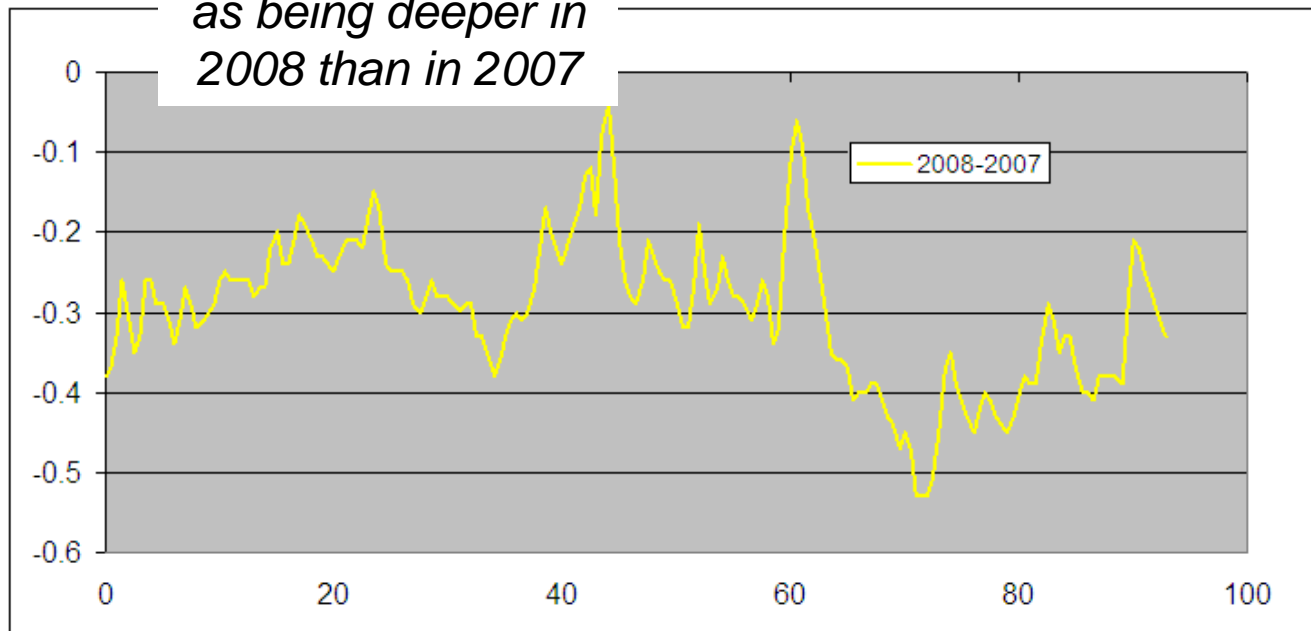


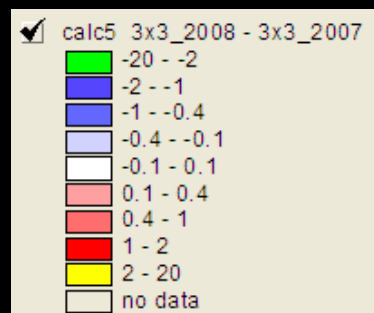
Figure 9c: River Segment C Transect bathymetry in 2007 and 2008 and change (2008-2007).

Depths and Distances in Feet



C

Figure 9d: Difference between 2007 and 2008 multibeam bathymetry (feet; negative [blue] deeper in 2008, i.e., erosion) for River Segment C (with transect location)



*structure  
beneath  
bridge*



Figure 10a:  
2007 Sun-  
illuminated  
bathymetry for  
River Segment  
D with transect

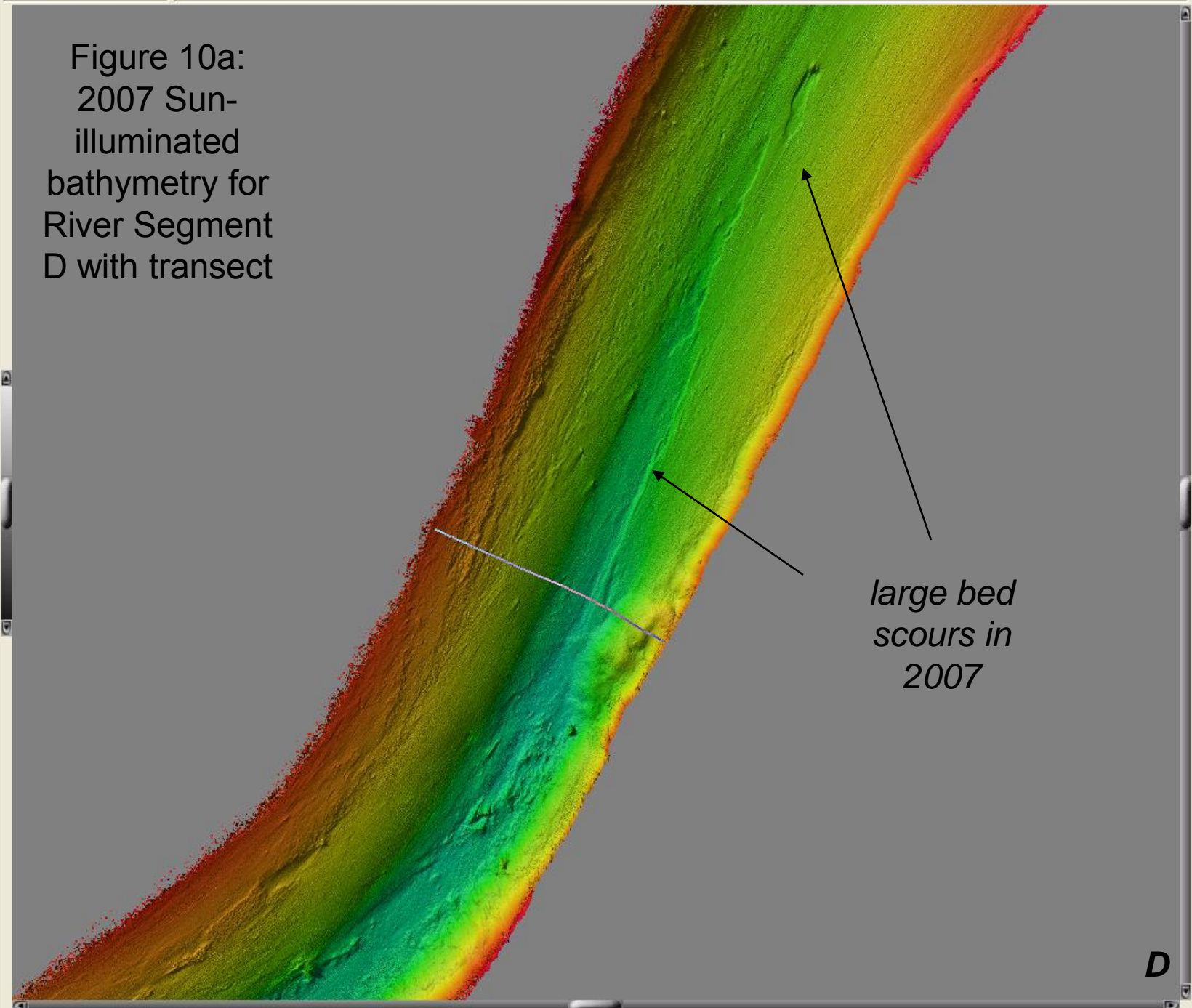
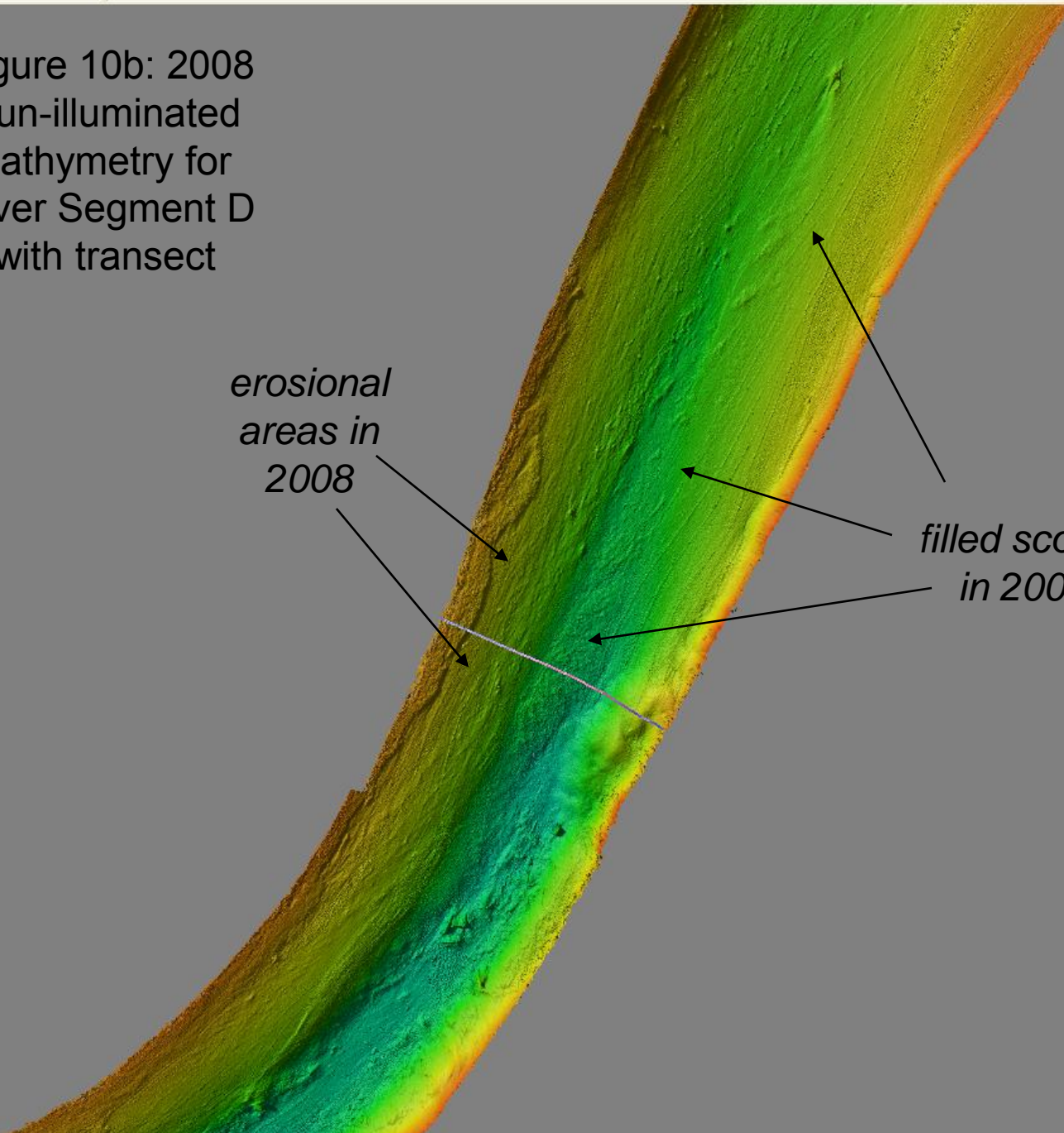


Figure 10b: 2008  
Sun-illuminated  
bathymetry for  
River Segment D  
with transect

*erosional  
areas in  
2008*

*filled scours  
in 2008*

**D**



NW

SE

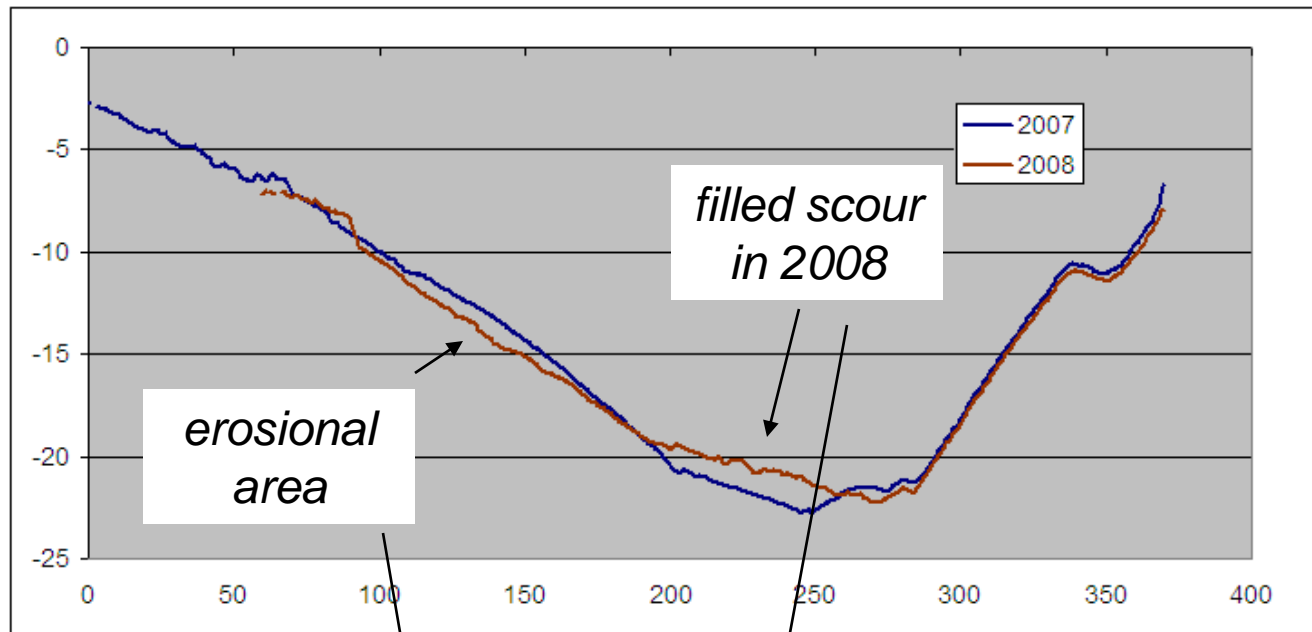
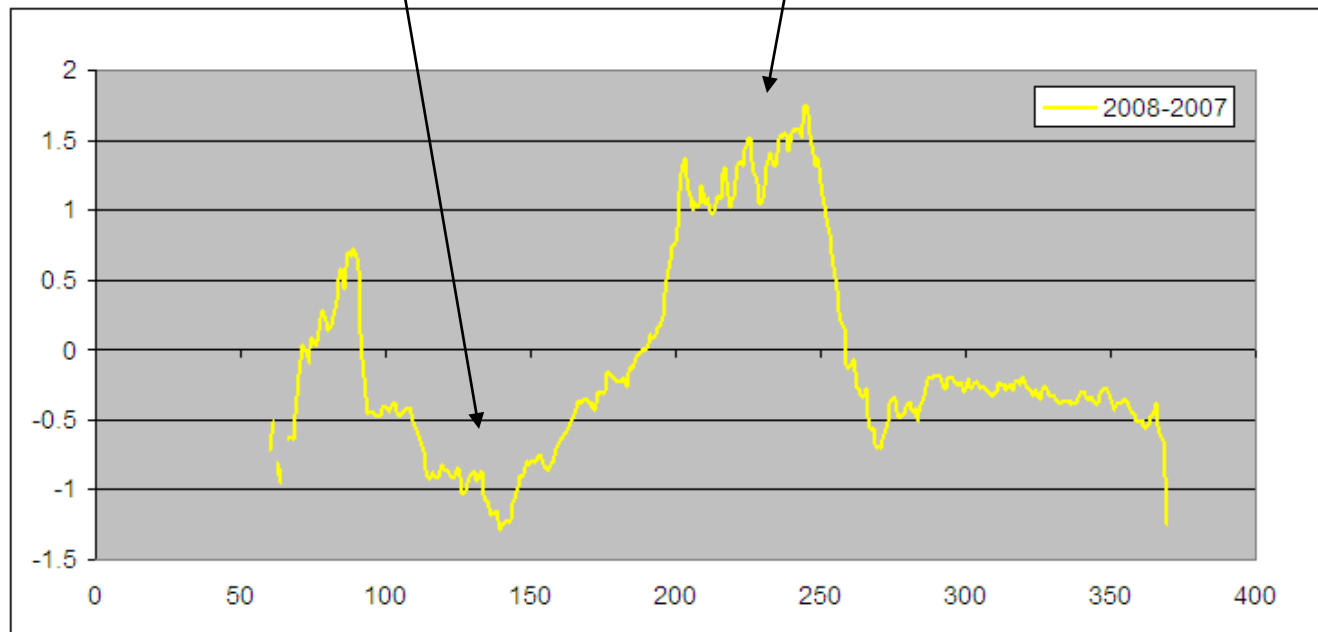


Figure 10c: River Segment D Transect bathymetry in 2007 and 2008 and change (2008-2007).

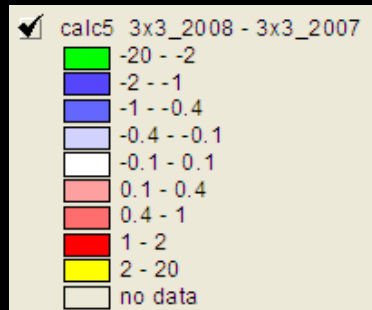
Depths and Distances in Feet



*D*

Figure 10d: Difference between 2007 and 2008 multibeam bathymetry (feet; negative [blue areas] deeper in 2008, i.e., erosion) for River Segment D

(with transect location)



*erosional  
areas*

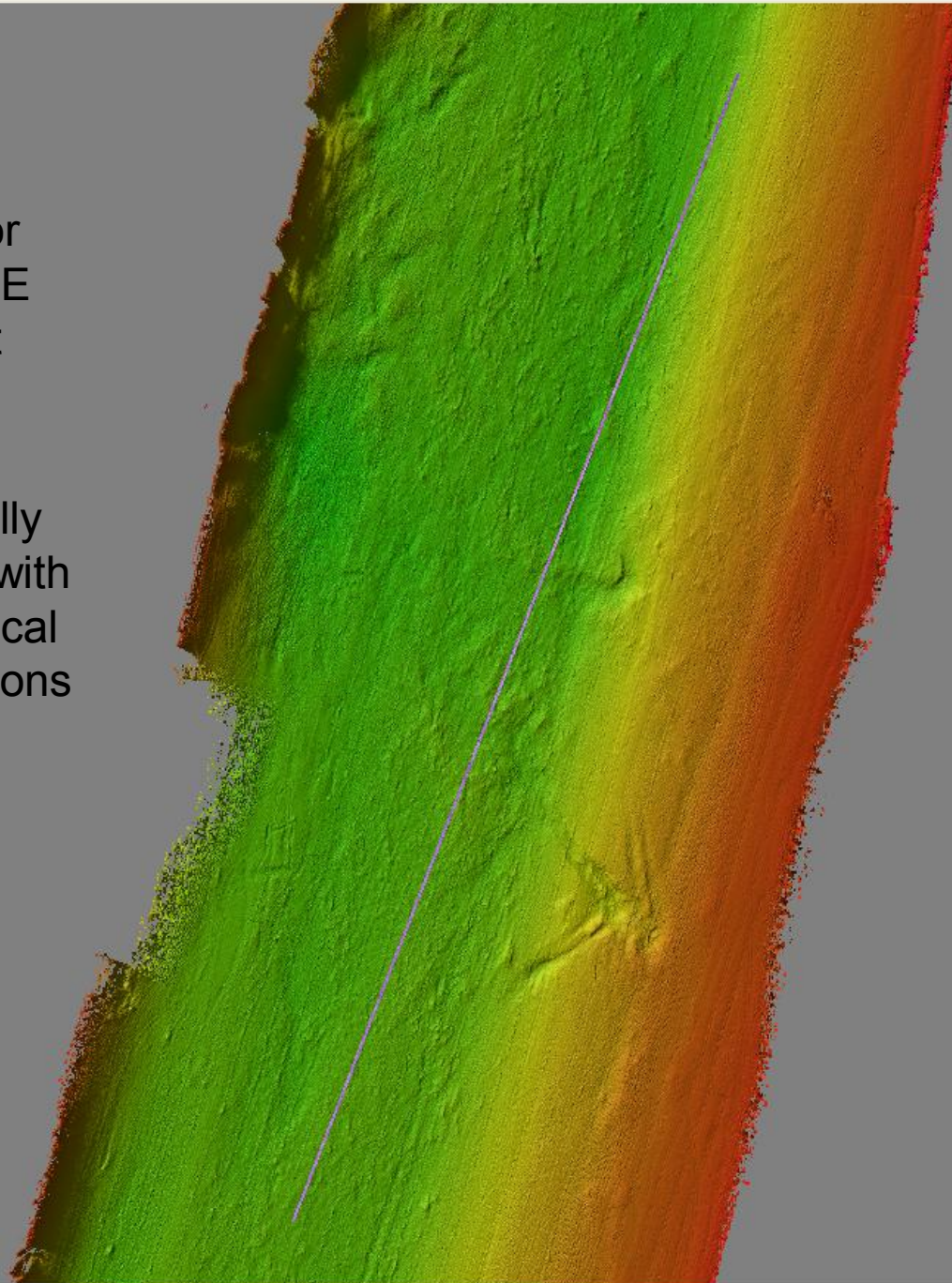
*filled  
scours in  
2008*

*D*



Figure 11a:  
2007 Sun-  
illuminated  
bathymetry for  
River Section E  
with transect

generally  
smooth with  
some local  
depressions

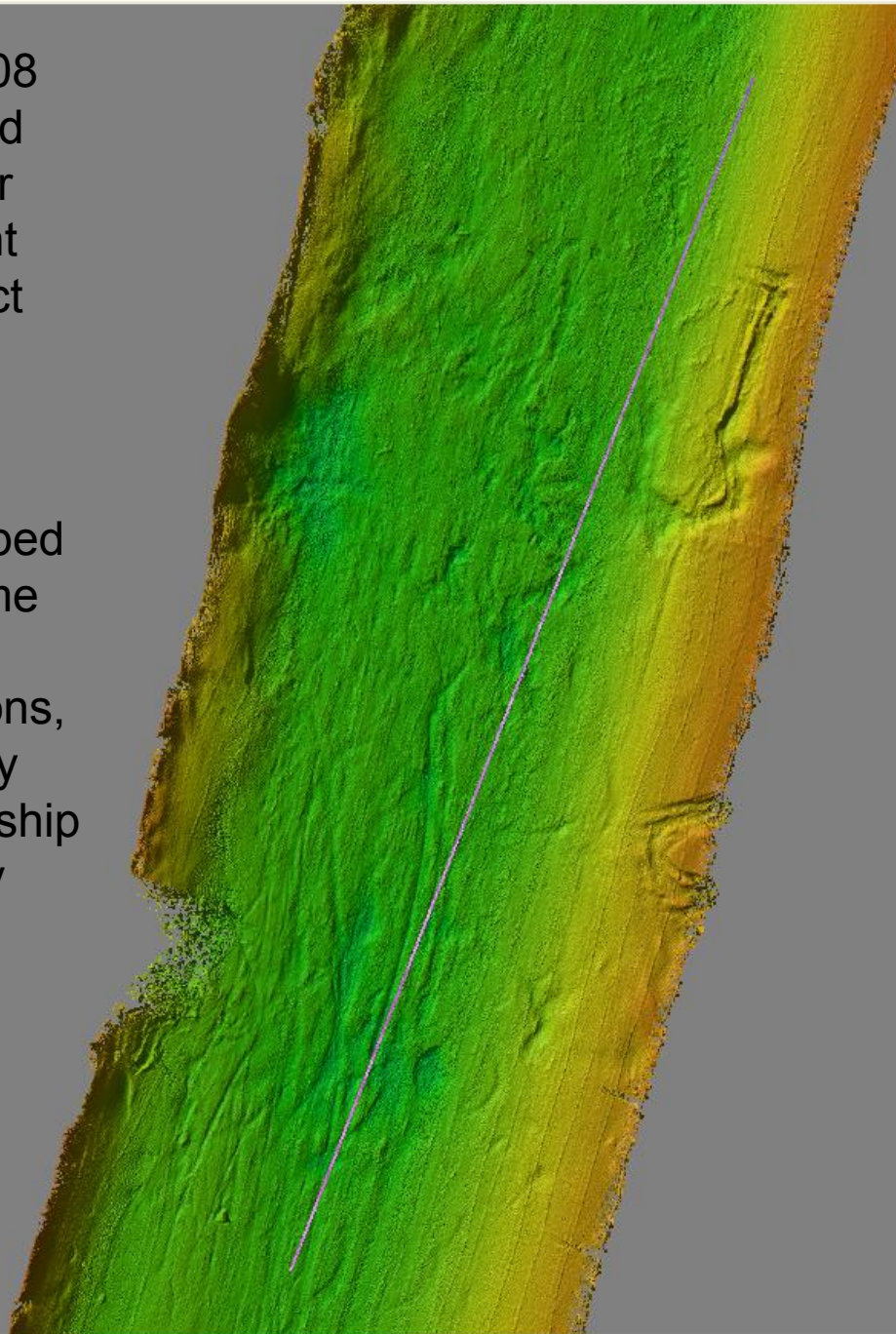


**E**



Figure 11b: 2008  
Sun-illuminated  
bathymetry for  
River Segment  
E with transect

irregular bed  
with some  
local  
depressions,  
possibly  
related to ship  
activity



**E**

N

S

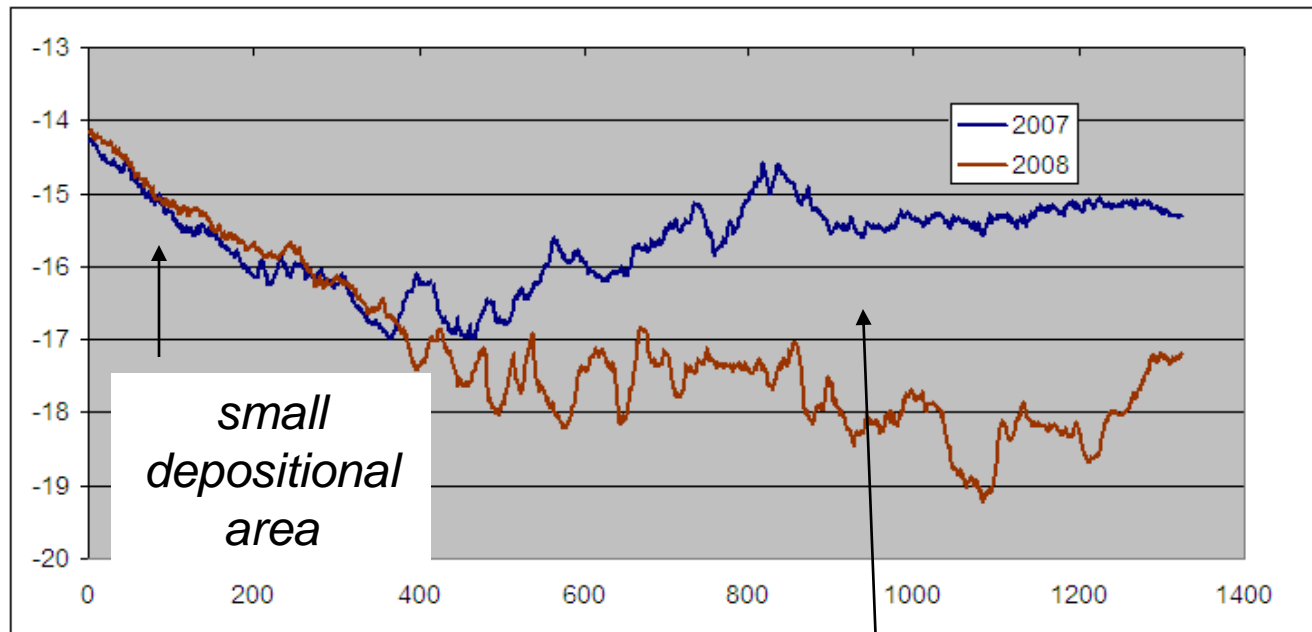
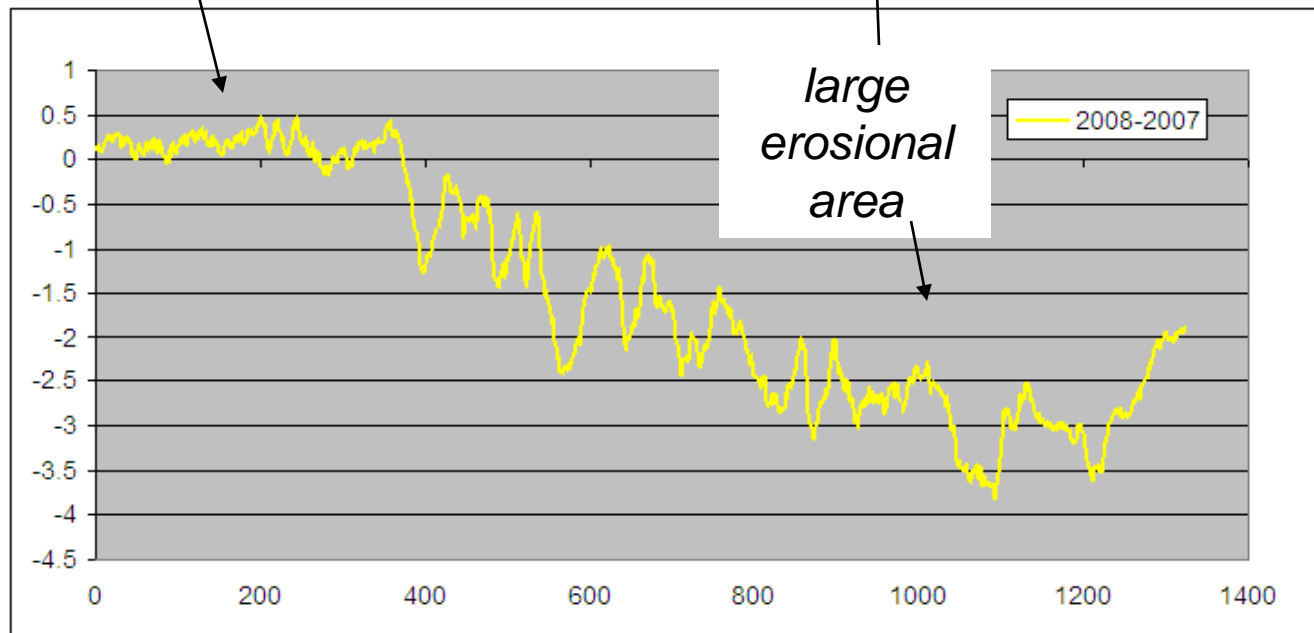


Figure 11c: River Segment E Transect bathymetry in 2007 and 2008 and change (2008-2007).

Depths and Distances in Feet



E

Figure 11d: Difference between 2007 and 2008 multibeam bathymetry (feet; negative [blue & green] deeper in 2008, i.e., erosion) for River Segment E (with transect location)

